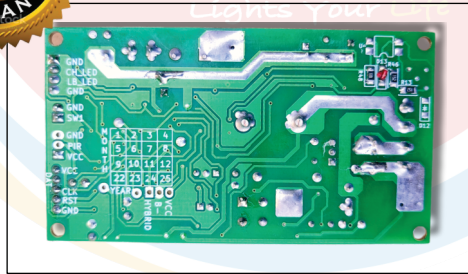
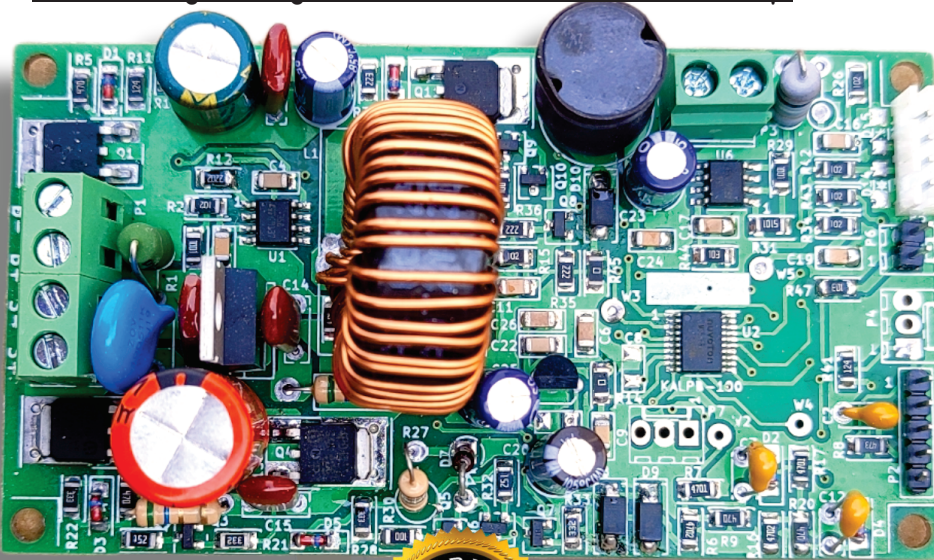




TECHNICAL DATA SHEET

Solar Led Light charge Controller/ Driver MPPT 24W/100Wp




Specifications	
Product	MPPT BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	6 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	100Watt
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>90%
Battery reconnect	12.6/11.1/12.4V


LED Driver Parameters	
Input Voltage Range	9v-15 VDC
Maximum Output	2.0 Amps
Power (MAX)	24 Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Regulated LED Current	Provided
Conversion Efficiency	>90%
Motion Sensor Enabled	Provided
Dimming Duration	Multiple / 365 Smart


Environmental Parameters	
Ambient Temperature	0 to 45°C
Storage Temperature	0 to 80°C


LED indication	
Battery charging	Green
Battery low	Red
Error	Both blink


Protection	
Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Others parameters	
Dimensions (mm)	100X50X40 mm
Net Weight	
Product code	KAL-24/100MPPT


 **MNRE Certified**

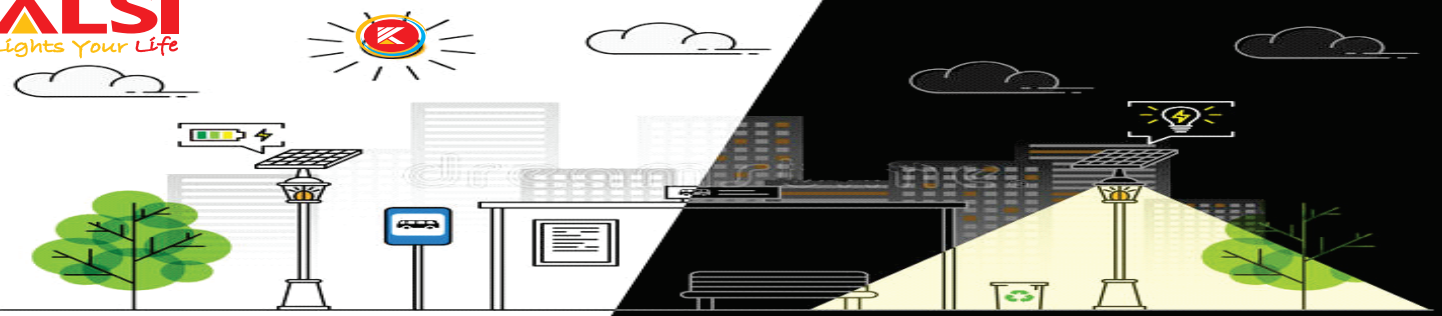
 Artificial Intelligence 365 Smart Dimming

 Automated Dawn to Dusk

 Soft Starting Programme

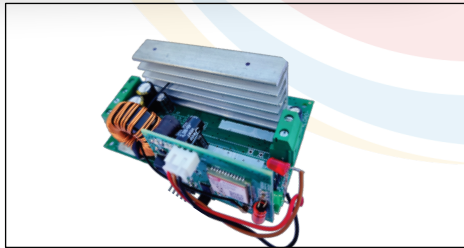
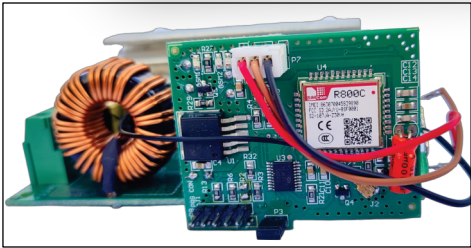
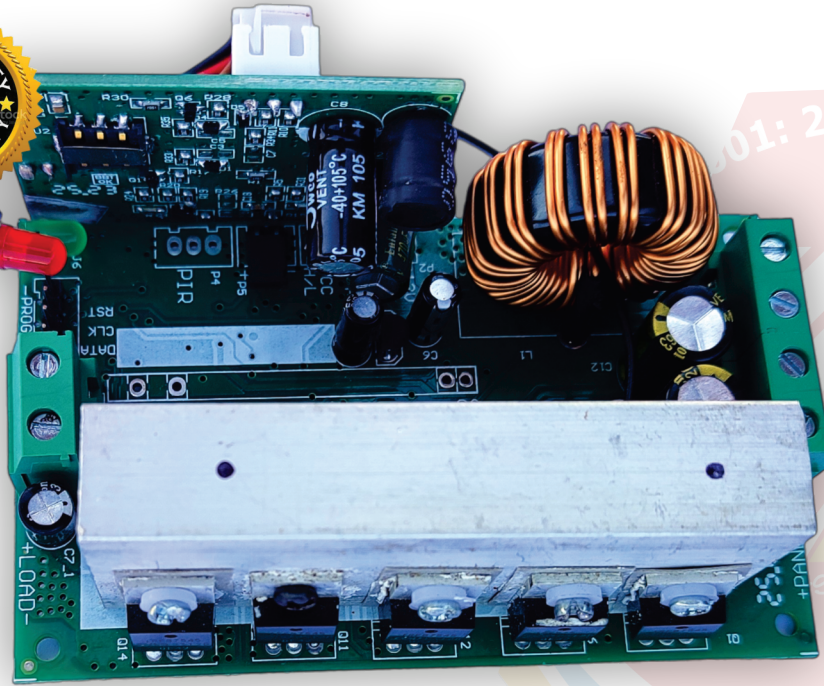
 short-circuit protection.

 Deep Discharge Booster



TECHNICAL DATA SHEET

Solar Led Light charge Controller/ Driver MPPT 50W/200Wp WITH RMS



Specifications	
Product	MPPT BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	10 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	150Watt
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V

LED Driver Parameters	
Input Voltage Range	18v-36 VDC
Maximum Output	5.0 Amps
Power (MAX)	50 Watt
Dusk to Dawn	Provided
Driver Configuration	Boost - 36Volts
Regulated LED Current	Provided
Conversion Efficiency	>90%
Motion Sensor Enabled	Provided
Dimming Duration	6 steps

Environmental Parameters	
Ambient Temperature	0 to 45°C
Storage Temperature	0 to 80°C

LED indication	
Battery charging	Green
Battery low	Red
Error	Both blink

Protection	
Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Others parameters	
Dimensions (mm)	100X70X50 mm
Net Weight	
Product code	KAL-RMS-50T

MNRE Certified

Artificial Intelligence 365 Smart Dimming

Automated Dawn to Dusk

Soft Starting Programme

short-circuit protection.

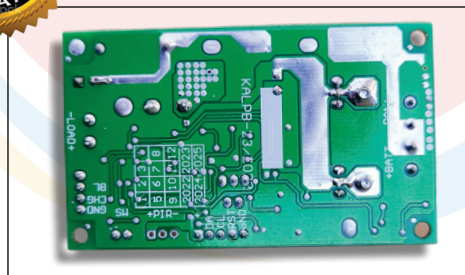
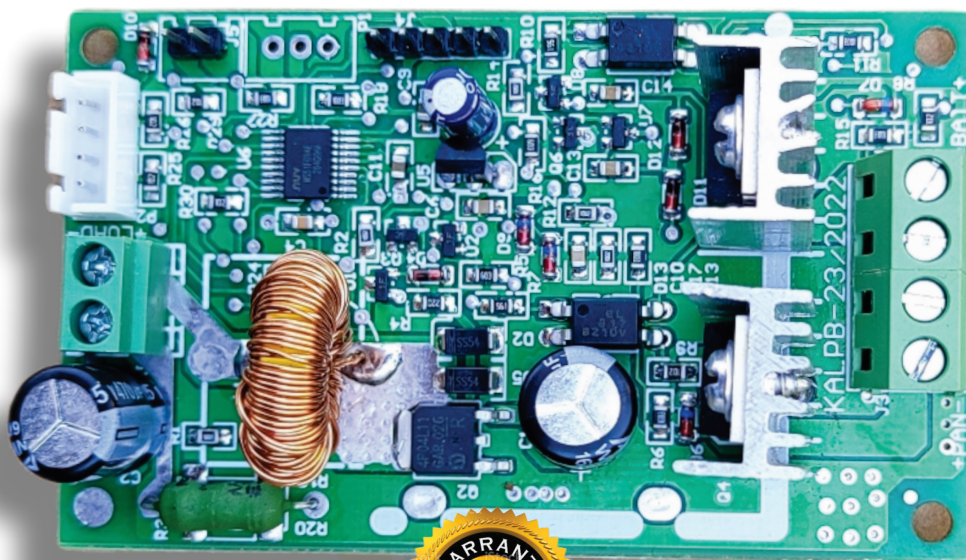
Deep Discharge Booster

RMS Data
Date and time
Battery %
Battery Voltage
Battery Current
Battery Power
Panel Voltage
Panel Current
Panel Power
Load Voltage
Load Current
Load Power
Charging
Low Battery
System Fault
Over Flow









TECHNICAL DATA SHEET

Solar Led Light charge Controller/ Driver PWM 24W/100Wp



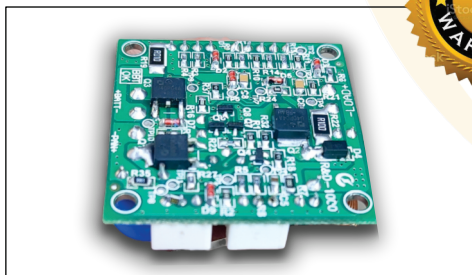
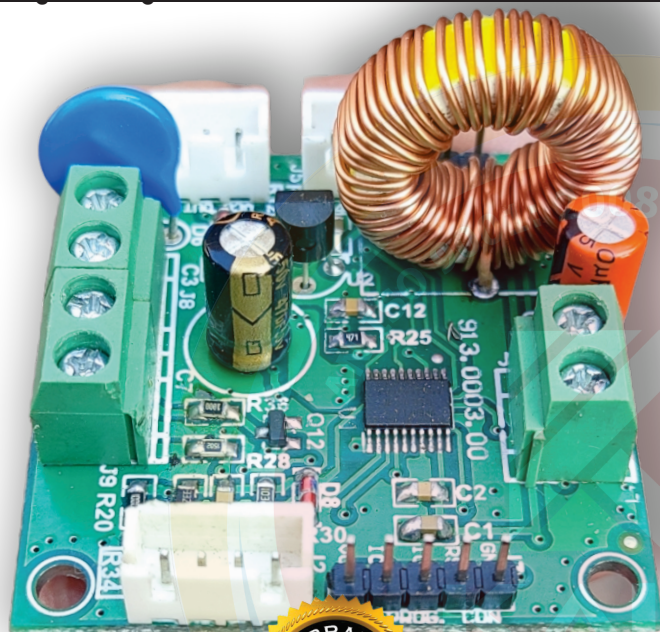
Specifications	
Product	PWM BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	6 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	100Watt
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V
LED Driver Parameters	
Input Voltage Range	9v-15 VDC
Maximum Output	2.0 Amps
Power (MAX)	24 Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Regulated LED Current	Provided
Conversion Efficiency	>90%
Motion Sensor Enabled	Provided
Dimming Duration	6 steps
Environmental Parameters	
Ambient Temperature	0 to 45°C
Storage Temperature	0 to 80°C
LED indication	
Battery charging	Green
Battery low	Red
Error	Both blink
Protection	
Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Others parameters	
Dimensions (mm)	85X50X20 mm
Net Weight	
Product code	KALPB-DPTH

-  **MNRE Certified**
-  Artificial Intelligence 365 Smart Dimming
-  Automated Dawn to Dusk
-  Soft Starting Programme
-  short-circuit protection.
-  Deep Discharge Booster









TECHNICAL DATA SHEET

Solar Led Light charge Controller/ Driver PWM Z 12/20WL/90Wp



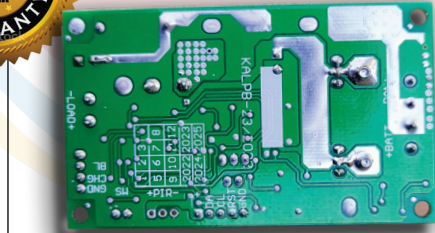
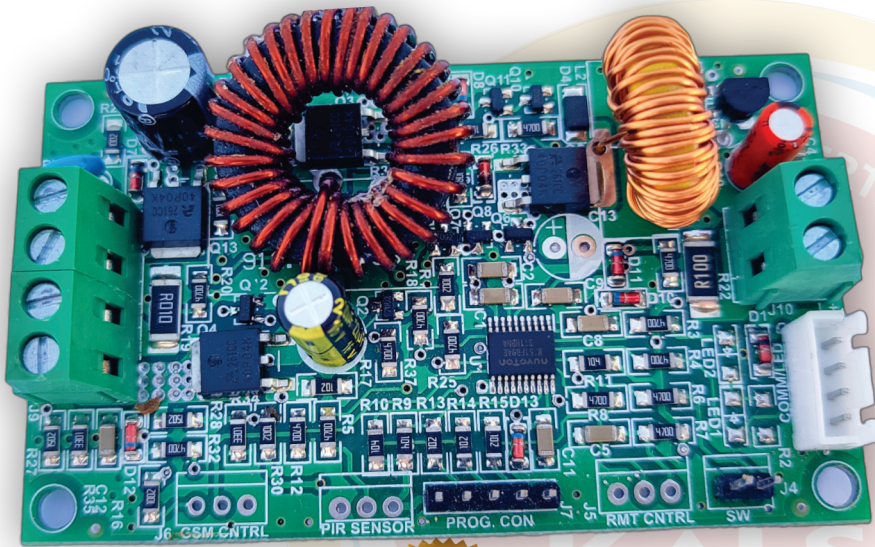
Specifications	
Product	PWM BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	4.2 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	100Watt
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V
LED Driver Parameters	
Input Voltage Range	9v-15 VDC
Maximum Output	1.8 Amps
Power (MAX)	12/20 Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Regulated LED Current	Provided
Conversion Efficiency	>90%
Motion Sensor Enabled	Provided
Dimming Duration	Multiple steps/365 Smart
Environmental Parameters	
Ambient Temperature	0 to 45°C
Storage Temperature	0 to 80°C
LED indication	
Battery charging	Green
Battery low	Red
Error	Both blink
Protection	
Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Others parameters	
Dimensions (mm)	45X46X35 mm
Net Weight	
Product code	KALPB-Z

-  **MNRE Certified**
-  Artificial Intelligence 365 Smart Dimming
-  Automated Dawn to Dusk
-  Soft Starting Programme
-  short-circuit protection.
-  Deep Discharge Booster









TECHNICAL DATA SHEET

Solar Led Light charge Controller/ Driver EESL MPPT 12-20W/80Wp



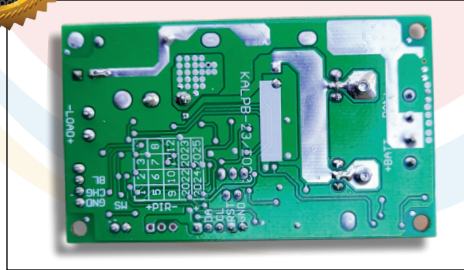
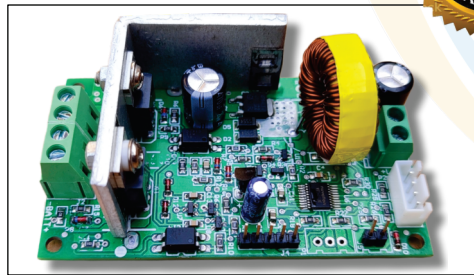
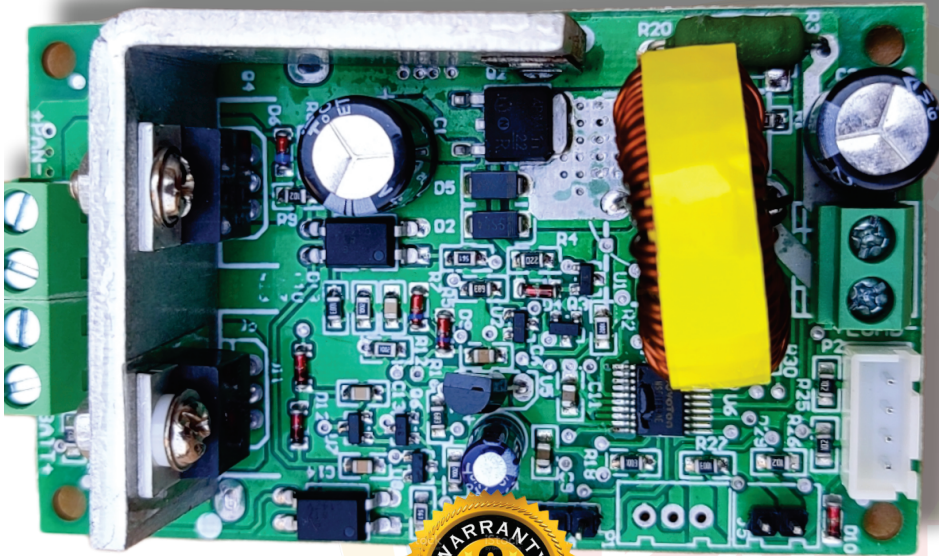
Specifications	
Product	MPPT BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	4 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	80Watt
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V
LED Driver Parameters	
Input Voltage Range	9v-15 VDC
Maximum Output	1.8 Amps
Power (MAX)	20 Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Regulated LED Current	Provided
Conversion Efficiency	>90%
Motion Sensor Enabled	Provided
Dimming Duration	Multi steps/365 Smart
Environmental Parameters	
Ambient Temperature	0 to 45°C
Storage Temperature	0 to 80°C
LED indication	
Battery charging	Green
Battery low	Red
Error	Both blink
Protection	
Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Others parameters	
Dimensions (mm)	80X55X35 mm
Net Weight	
Product code	KALPB-EESL MPPT

-  **MNRE Certified**
-  Artificial Intelligence 365 Smart Dimming
-  Automated Dawn to Dusk
-  Soft Starting Programme
-  short-circuit protection.
-  Deep Discharge Booster



TECHNICAL DATA SHEET

Solar Led Light charge Controller/ Driver PWM 40W/200Wp









Specifications	
Product	PWM BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	10 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	200Watt
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V

LED Driver Parameters	
Input Voltage Range	9v-15 VDC
Maximum Output	3.2 Amps
Power (MAX)	40 Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Regulated LED Current	Provided
Conversion Efficiency	>90%
Motion Sensor Enabled	Provided
Dimming Duration	Multiple/365 Smart

Environmental Parameters	
Ambient Temperature	0 to 45°C
Storage Temperature	0 to 80°C

LED indication	
Battery charging	Green
Battery low	Red
Error	Both blink

Protection	
Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Others parameters	
Dimensions (mm)	85X50X20 mm
Net Weight	
Product code	KALPB-40-200L

-  **MNRE Certified**
-  Artificial Intelligence 365 Smart Dimming
-  Automated Dawn to Dusk
-  Soft Starting Programme
-  short-circuit protection.
-  Deep Discharge Booster

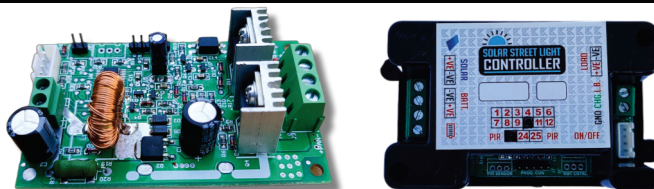
SOLAR STREET LIGHT DRIVERS

Classic PWM-12W/ 9V/ 60W Panel



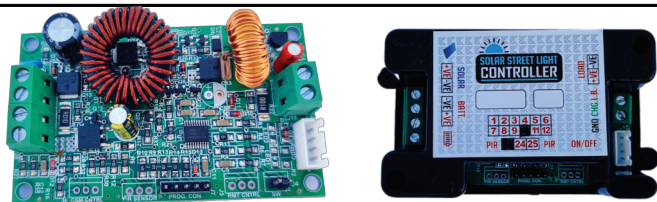
Power (MAX)	20Watt
Configuration	Buck - 9Volts
Dimming Duration	Multiple
Max PV Panel 12V	80Watt
Dimensions (mm)	45X46X20

Premium PTH PWM- 24W / 9V / 100W Panel



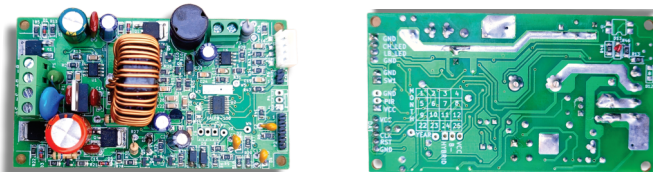
Power (MAX)	24Watt
Configuration	Buck - 9Volts
Dimming Duration	Multiple
Max PV Panel 12V	100Watt
Dimensions (mm)	85X50X20

EESL Tender MPPT- 12W / 9V / 75W Panel



Power (MAX)	20Watt
Configuration	Buck - 9Volts
Dimming Duration	Multiple
Max PV Panel 12V	80 Watt
Dimensions (mm)	85X50X35

Premium PTH MPPT- 24W / 9V / 80W Panel



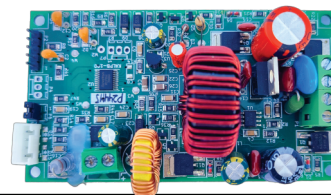
Power (MAX)	24 Watt
Configuration	Buck - 9Volts
Dimming Duration	Multiple
Max PV Panel 12V	100 Watt
Dimensions (mm)	100X55X35

HiPower PWM-40W/ 9V/ 200W Panel



Power (MAX)	40 Watt
Configuration	Buck - 9Volts
Dimming Duration	Multiple
Max PV Panel 12V	200 Watt
Dimensions (mm)	85X50X20

Hipower MPPT-60W/ 9V/ 200W Panel



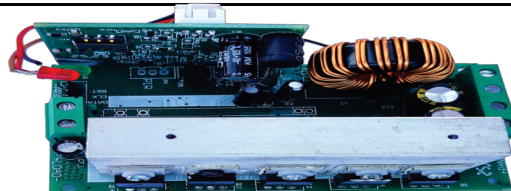
Power (MAX)	40-60Watt
Configuration	Buck - 9Volts
Dimming Duration	Multiple
Max PV Panel 12V	200 Watt
Dimensions (mm)	125X85X40

Hybrid SMPS Circuit



Power (MAX)	2 amps
Configuration	12-15 Volts
Min AC Voltage	90 volts
Max AC Voltage	290 Volts
Dimensions (mm)	100x50x25

RMS BREDA MPPT- 60W/ 9V/ 200W Panel



Power (MAX)	40-60Watt
Configuration	Buck - 9Volts
Dimming Duration	Multiple
Max PV Panel 12V	200 Watt
Dimensions (mm)	145X85X40

LED indication

Battery charging	Green BLINK
Battery low	Red STILL
Battery High Cut	Green STILL
Error	Both BLINK

Battery Parameters

Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging High cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 11V
Power Conversion Efficiency	>93%

Protection

Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Load Short Circuit	Provided

Others parameters

Regulated LED Current	Provided
Conversion Efficiency	>90%
Motion Sensor Enabled	Provided
Dusk to Dawn	Provided



TECHNICAL DATA SHEET

15W Semi Integrated Solar Street Light With MPPT 12Ah PO4/60Wp



Specifications

Product	MPPT BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	6 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	75w
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V

LED Parameters

Led Make	OSRAM/Philips
Lumens	135lm/W
LED Temp	6500k/Cool White
Power (MAX)	15Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Conversion Efficiency	>90%
Motion Sensor Enabled	Optional
Dimming	50% after 4hrs

LED indication

Battery charging	Green
Battery low	Red
Error	Both blink

Protection

Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Backup	2 Nights
Warranty	2 years
Product Code	KALPB-M15/60

NISE MNRE Certified

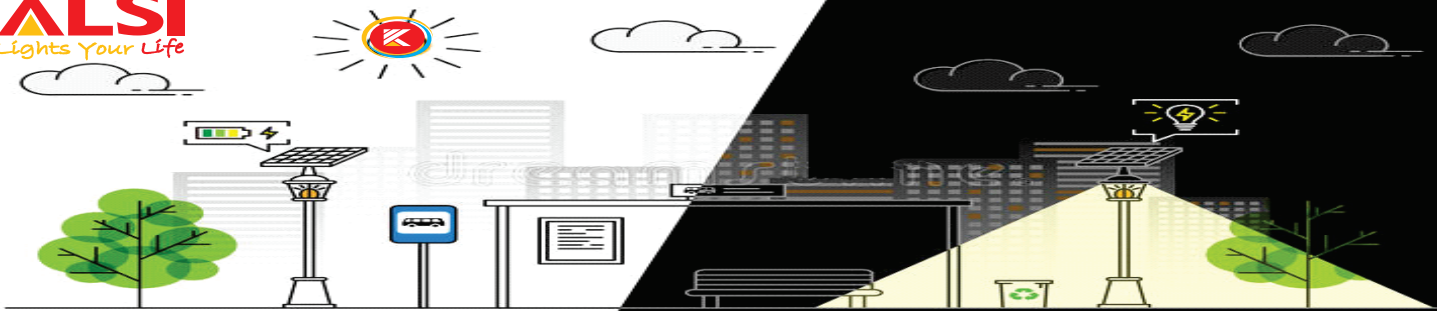
Artificial Intelligence 365 Smart Dimming

Automated Dawn to Dusk

Soft Starting Programme

short-circuit protection.

Deep Discharge Booster



TECHNICAL DATA SHEET

15W Semi Integrated Solar Street Light With MPPT 12Ah PO4/60Wp



Specifications

Product	MPPT BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	6 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	75w
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V

LED Parameters

Led Make	OSRAM/Philips
Lumens	135lm/W
LED Temp	6500k/Cool White
Power (MAX)	15Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Conversion Efficiency	>90%
Motion Sensor Enabled	Optional
Dimming	50% after 4hrs

LED indication

Battery charging	Green
Battery low	Red
Error	Both blink

Protection

Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Backup	2 Nights
Warranty	2 years
Product Code	KALPB-M15/60

NISE MNRE Certified

Artificial Intelligence 365 Smart Dimming

Automated Dawn to Dusk

Soft Starting Programme

short-circuit protection.

Deep Discharge Booster



TECHNICAL DATA SHEET

50W Semi Integrated Solar Street Light With MPPT 330Wp



Specifications

Product	MPPT BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	15 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	330w
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V

LED Parameters

Led Make	OSRAM/Philips
Lumens	180lm/W
LED Temp	6500k/Cool White
Power (MAX)	50Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Conversion Efficiency	>90%
Motion Sensor Enabled	Optional
Dimming	50% after 4hrs

LED indication

Battery charging	Green
Battery low	Red
Error	Both blink

Protection

Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Backup	2 Nights
Warranty	2 years
Product Code	KALPB-M50/330Wp

	MNRE Certified
	Artificial Intelligence 365 Smart Dimming
	Automated Dawn to Dusk
	Soft Starting Programme
	short-circuit protection.
	Deep Discharge Booster

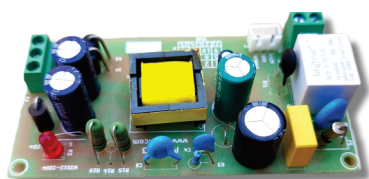


TECHNICAL DATA SHEET

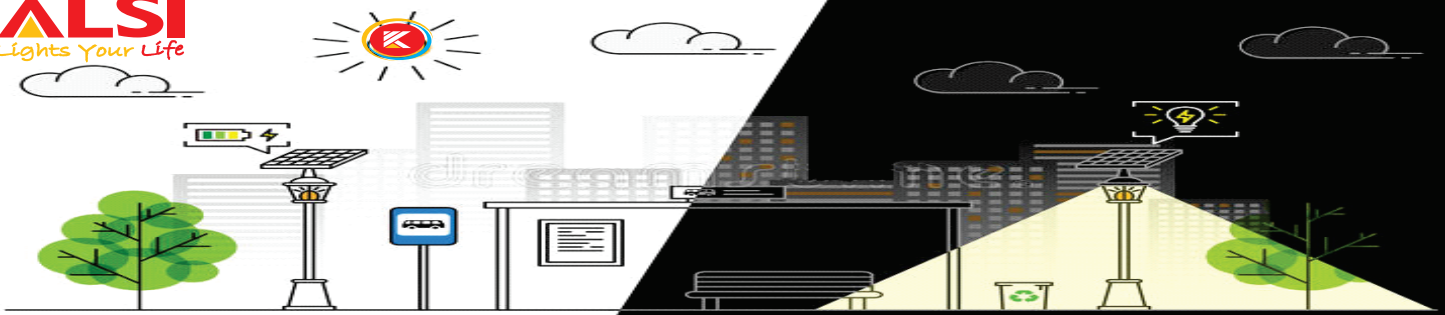
150W Light with MPPT165*2/330Wp



178*100*108



Parameter	
Charger	
Charger Type	Synchronous Buck with MPPT algorithm
Charging Method	CC/CV / Float
Maximum Charger input voltage	50V
Max Wattage Supported	165*2/ 330 Watt
Battery Voltage Support	12V/24V
Max Charging Current @ 12V battery	26Amp
Max Charging Current @ 24V battery	13Amp
MPPT Tracking Algorithm Efficiency	>98%
Max Electronic Efficiency	>92%
Supported Battery Chemistry	Lead Acid,Lipho , lithuim Ion
Cooling Method	Forced Air (Fan)
Driver	
Driver type	Synchronous Boost Driver
Max Driver Wattage	150W
Driver Efficiency	>93%
Max Driver Voltage	48V
Dimming	Optional
Motion Sensor Support	Optional
Hybrid Charger	
Ac input voltage	90V to 280 V (AC)
Max Charging Current	6Amp
Input Voltage Surge protection	4KV
LED indication	
CC Charging	Green Led Blinking
CV/Float Charging Mode	Green Led Stable
Low Battery	Red Led on
Load Short Circuit	Red Led Blinking
Hybrid AC Charging	Blue led On
Protection	
Reverse Panel Protection	Yes
Reverse Battery Protection	Yes
Short Circuit Protection	Yes
Open Load Protection	Yes
Battery	
Battery Voltage	25.6V
Battery aH	36aH
Backup	5 Hours



MNRE Approved EESL 12W Light, MPPT with 75W Panel



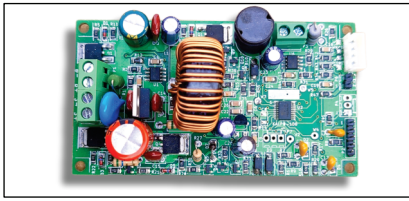
01 MPPT Driver
Solar MPPT Charging for weather free operations

02 Dawn to Dusk
Automated dawn to dusk.

03 Housing
Aluminum Pressure Die casting in grey.

04 Led
160Lm/W Osram/ Philips/ Brijlux LED

05 Reflector
Reflector with every single LED



MPPT Solar Charge Controller



Solar Driver Specifications

Driver Configuration	MPPT
Nominal Battery Voltage (Volt)	12.8
Maximum Charging Current	5 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	75Watt
Battery Charging Profile	CC/CV
Battery Type	PO4
Battery charging cut off voltage	14.6/
Battery low cut off	10.6
Power Conversion Efficiency	>93%
Battery reconnect	12.6

LED Driver Parameters

Input Voltage Range	9v-15 VDC
Maximum Output	3.2 Amps
Light	12 Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Regulated LED Current	Provided
Conversion Efficiency	>90%
Dimming	Provided

Environmental Parameters

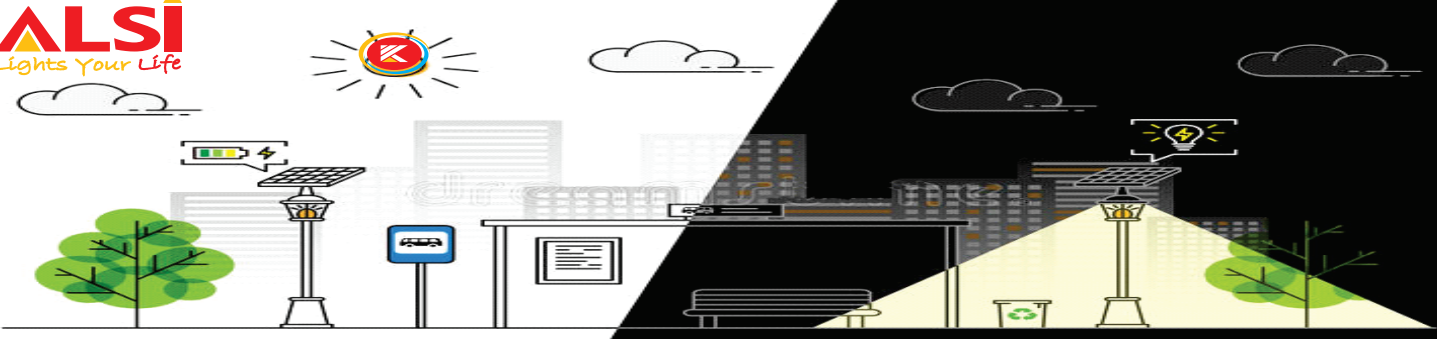
Ambient Temperature	0 to 45°C
Storage Temperature	0 to 80°C

LED indication

Battery charging	Green
Battery low	Red
Error	Both blink

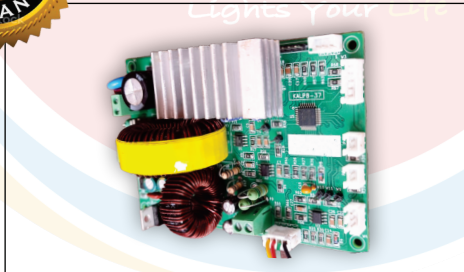
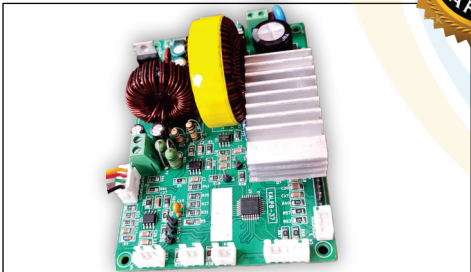
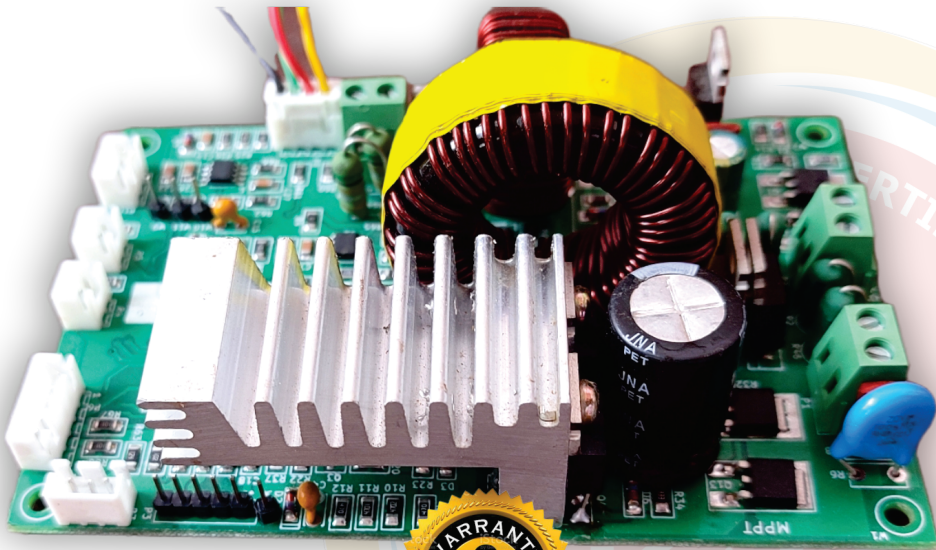
Protection

Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided



TECHNICAL DATA SHEET

Solar Led Light charge Controller/ Driver MPPT 60W/200Wp









Specifications	
Product	MPPT BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	12 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	200Watt
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V

LED Driver Parameters	
Input Voltage Range	9v-15 VDC
Maximum Output	5.0 Amps
Power (MAX)	60 Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Regulated LED Current	Provided
Conversion Efficiency	>90%
Motion Sensor Enabled	Provided
Dimming Duration	Multipple

Environmental Parameters	
Ambient Temperature	0 to 45°C
Storage Temperature	0 to 80°C

LED indication	
Battery charging	Green
Battery low	Red
Error	Both blink

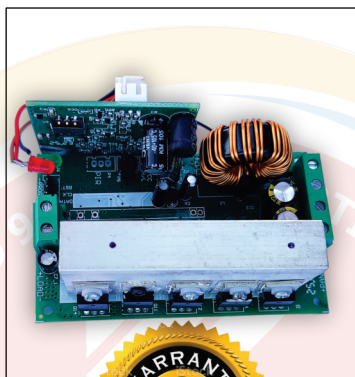
Protection	
Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Others parameters	
Dimensions (mm)	120X60X40 mm
Net Weight	
Product code	KAL-60/200MPPT

-  **MNRE Certified**
-  Artificial Intelligence 365 Smart Dimming
-  Automated Dawn to Dusk
-  Soft Starting Programme
-  short-circuit protection.
-  Deep Discharge Booster



TECHNICAL DATA SHEET

20W Semi Integrated Solar Street Light With RMS-MPPT 54aH PO4/120Wp



Specifications

Product	MPPT BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	8 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	120w
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V

LED Parameters

Led Make	OSRAM/Philips
Lumens	135lm/W
LED Temp	6500k/Cool White
Power (MAX)	20-50Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Conversion Efficiency	>90%
Motion Sensor Enabled	Optional
Dimming	50% after 4hrs

LED indication

Battery charging	Green
Battery low	Red
Error	Both blink

Protection

Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Backup	2 Nights
Warranty	2 years
Product Code	KALPB-RMS20/120

RMS Data

Date and time
Battery %
Battery Voltage
Battery Current
Battery Power
Panel Voltage
Panel Current
Panel Power
Load Voltage
Load Current
Load Power
Charging
Low Battery
System Fault
Over Flow

NISE MNRE Certified

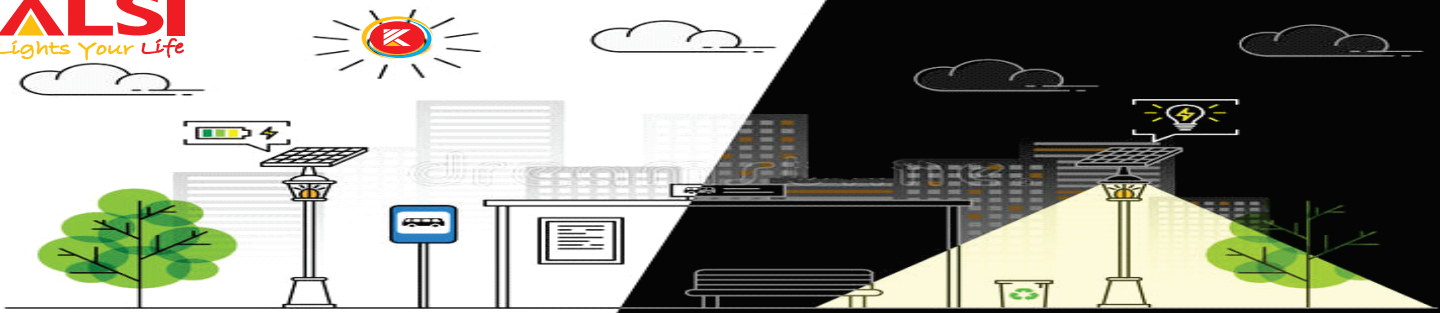
Artificial Intelligence 365 Smart Dimming

Automated Dawn to Dusk

Soft Starting Programme

short-circuit protection.

Deep Discharge Booster



TECHNICAL DATA SHEET

15W Semi Integrated Solar Street Light With PWM 12aH PO4/60Wp



Specifications

Product	PWM BUCK
Nominal Battery Voltage (Volt)	12.8/ 11.1/ 12V
Maximum Charging Current	6 Amps
Maximum PV Open Circuit Volt	25VDC
PV Voltage Range	15-25V
Standby Power Consumption	<10MA
Maximum PV Panel 12V	100w
Battery Charging Profile	CC/CV
Battery Type	PO4/Liion/Tubular
Battery charging cut off voltage	14.6/ 12.6/ 14.4V
Battery low cut off	10.6/ 9.2/ 9.8V
Power Conversion Efficiency	>93%
Battery reconnect	12.6/11.1/12.4V

LED Parameters







Led Make	OSRAM/Philips
Lumens	135lm/W
LED Temp	6500k/Cool White
Power (MAX)	12Watt
Dusk to Dawn	Provided
Driver Configuration	Buck - 9Volts
Conversion Efficiency	>90%
Motion Sensor Enabled	Optional
Dimming	50% after 4hrs

LED indication

Battery charging	Green
Battery low	Red
Error	Both blink

Protection

Solar Panel Reverse	Provided
Battery Reverse	Provided
Overload Protection	Provided
Thermal Protection	Provided
Backup	2 Nights
Warranty	2 years
Product Code	KALPB-P15/100

-  **MNRE Certified**
-  Artificial Intelligence 365 Smart Dimming
-  Automated Dawn to Dusk
-  Soft Starting Programme
-  short-circuit protection.
-  Deep Discharge Booster



TECHNICAL DATA SHEET

ALL in One, 40W Mono Panel, 77WH Battery with aluminium Housing








192 OSRAM LED



40W Mono Panel



SPECIFICATION	
SOLAR	
PANEL WATTAGE	40W
Charging technology	Synchronous Buck , MPPT
MPPT Tracking Efficiency	>98%
Electronic Efficiency	> 92%
Battery	
Cell Details	Li-po4
Low Cut	2.7V
Upper Cut	3.7V
INDICATION	
Charging (CC mode)	Green Led Blinking @1Hz
Charging (CV mode)	Green Led Glow
Low Battery	Red Led Blink After 5 Sec
Fault Indication	Both Led Blinking
Starting Indication	Both alternate Blinking @1Hz
LIGHT	
Driver Type	Synchronous Boost
Driver Efficiency	>94%
Light Wattage (Max)	8*3=24 watt
MECHANICAL	
weight	4.55kg Approx.
Dimensions	420mm x 220mm x 75mm
Color	BLACK
Body Material	ALUMINIUM
OTHERS	
Dimming	Smart dimming depends on cell charged condition
No of Led	192
Light Backup(Full Charge)	1 Night
Motion Sensor	Optional

-  Artificial Intelligence 365 Smart Dimming
-  Automated Dawn to Dusk
-  Soft Starting Programme
-  short-circuit protection.
-  Deep Discharge Booster